

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Thursday, August 25, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

TERM ENERGY CORPORATION 713 EAST MAIN STREET

HARRISVILLE, WV 263620000

Re: Permit approval for 1 47-021-01722-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin Chief

Operator's Well Number: 1

Farm Name: BOILON, C. W. - HEIRS

U.S. WELL NUMBER: 47-021-01722-00-00

Vertical Plugging Date Issued: 8/25/2022

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified</u> permit conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WH-4B Rev. 2/01

-)	Date 6/15	, 2022
2)	Operator's	
eg i	Nell No.1	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

RECEIVED
Office of Oil & Gas

	DEPARTMENT OF ENVIPORMENT OF CONTROL OF CONT	OTT. AND GAS
	APRITCATION FOR A PERM	JUL 05 2022
4)	V / Francis	d injection / Waste denvironmental Protection derground storage) Deep / Shallow
5)		Watershed Sand Fork County Gilmer Quadrangle Gilmer 7.5
6)	Well Operator Address Term Energy Corp 713 East Main Street Harrisville, WV 26362	
3)	Oil and Gas Inspector to be notified Name Derek Haught Down Newton	9) Plugging Contractor Name R&R Well Service L.L.C. Address 42 Lynch Ridge
	Address P.O. Box 85 Smiyhville, WV 26178	Walton WV 25286
	Free point and recover casing's & tubular Set cement plug 2788 to 2600 Set cement plug 2100 to 1950 Set 100' cement plug across casing cut Set 100' plug 850 to 750 (elevation plug	ar's, 6% Gel Between Plug's MAY. (COURR OIL Q 1605' W/ 100' REMENT FROM 1655 TO 1555', 9MM
	1 No. 10	50' to surface, Set monument with API#

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by Inspector Daugloo Newlon Date 6-28-2022

Sand

Slate & shells

THE PROPERTY OF THE PARTY OF TH



Barlon 5-

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary	
Spudder	K
Cable Tools	
Storage	_

Quadrangle

WELL RECORD Permit No. GIL-1722 Oil or Gas Well Both Company BOILON WILL # 5 Casing and Used in Drilling Left in Well Address C/O W. H. Mossor, 101 B. Main Packers Farm C. W. Boilon Heira Location (waters) Butchers Fork Size Well No. One (1) Elev. 793 Kind of Packer_ District Glenville Gilmer ____County___ The surface of tract is owned in fee by Frank Poters 385 Size of_ Address Oxlande, W.Va. 929 Mineral rights are owned by Hadalyn Frankhouser et al 654 1850 Depth set_ Address Mozgantown, W.Va. July 8, 1965 Drilling commenced..... 2788 Perf. top 2032 Perf. bottom 2052 Drilling completed Sept. 23, 1965 __From____To___ Liners Used. Perf. top... Perf. bottom. /10ths Water in. Open Flow Not taken /10ths Merc. in. __Inch CASING CEMENTED____SIZE___ _No. Ft.___ Not taken Rock Pressure Not taken hrs. COAL WAS ENCOUNTERED AT____ FEET _bbls., 1st 24 hrs. WELL ACIDIZED ... ___ FEET____INCHES____ _FEET___ INCHES FEET INCHES FEET WELL FRACTURED By Halliburton Company, 10-11-65 RESULT AFTER TREATMENT 10/10 More. de 1,900,000 cm. ft. Off at about 65 bbl per 24 hr ROCK PRESSURE AFTER TREATMENT Fresh Water_ Salt Water Feet Hard or Soft Oil, Gas or Water Formation Color Тор Bottom Depth Remarks Top Soil 10 **Bed** Rock 10 20 Sand 20 40 Slate 40. 65 Sand 65 75 Red Rock 73 145 85 water hole full Slato 145 230 Sand-230 295 Red rock 295 310 Slate 310 320 Sand-320 340 Red xock 340-340 Slate 350 390 Red Rock 290 420 Lime shell 420 435 Sand 435 520 Slate & Line 520 610 Slate shells 610 625 Red rook 625 645 State & shells 645 695 Sand 695 720 Slate & shells 720 785 Sand 785 900 Slate & shells 900 950 Line 920 1045 Sand 1045 1150 Slate & shells 1150 1495

(over

1515

1535

1495

1515

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand Slate & eh Lime Sand Red rock- Slate Lime Slate Blue Monds Rig Lime Sand			1535 1625 1675 1725 1780 1790 1800 1800 1825 1830 1870	1625 1675 1725 1780 1790 1800 1825 1830 1870 2866 1970	011	1605	show
SAND Injun Slate Sand Slate & Sh Sand Slate shell			1970 2078 2080 2175 2450 2455	2078 2080 2175 2450 2455	oil genex gas	mit 1975 markix 2020	show Siching show 8/10 W
Sand	al depth	2775	2735	2734 2745	#011	show	2745
					11 12 13 14 15 15		
		, ,			· ;·	٠.	1
	ļ						
		•	;				

	Date		
APPROVED			Owner
Ву		<u></u>	
	\bigcirc	(Title)	09/02/202



WW-4A	
Revised	6-07

1)	Date:	6/15/22				
2)	Operator	's Well Numb	63.			
9)	API Well	No : 47 -	021	-	01722	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4)	Surface Own	er(s) to be served: Michael L Chapman	5) (a) Coal Operator Name	
	Address	2107 Big Ugly Creek	Address	
		Harts, WV 25524	210	(-) with Declaration
	(b) Name			er(s) with Declaration
	Address		Name	
			Address	
	4 3 27		Name	
	(c) Name		Address	
	Address			
6)	Inspector	Derek Haught - Bous NE	(c) Coal Less	ee with Declaration
.,	Address	P.O. Box 85	Name	
		Smithville, WV 26178	Address	
	Telephone			

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and

 RECEIVED
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

Office of Oil & Gas

The reason you received these documents is that you have rights regarding the application which are summarized in the instance 2022 the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas. West Virginia Lap Plotter of Chief Invironmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form Ww-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

and the same of th	OFFICIAL SEAL
3 3 157	NOTARY PUBLIC \$
S. s. 3 8	STATE OF WEST VIRGINIA 5
5 新加工工作 5	Pamela Hendrickson 5
	166 Whitetall Drive
1100	Cairo WV 26337
CV SMIT	My Commission Expires April 19, 2026
~~~~	

Well Operator	Term Energy Corp.
By:	Leroy Baker
Its:	Designated Agent
Address	713 East Main
	Harrisville, WV 26362
Telephone	

Subscribed and sworn before me this	15th day of	June, 2027
Pamela Hendychi	· · · · · · · · · · · · · · · · · · ·	Notary Public
My Commission Expires April	19th, 2024	

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

1698	U.S. Postal Service [™] CERTIFIED MAIL® REC Domestic Mail Only  For delivery information, visit our website	
	Harts, WV 25524	USE
8020	Certified Mail Fee \$3.75 \$ \$ \$7.75 Extra Services & Fees (check box, add fee & Linb Grate)	0622 06
0007	Return Receipt (hardcopy)   \$ 1 10     Return Receipt (electronic)   \$ 1 00     Certified Mali Restricted Delivery   \$ 1 00     Adult Signature Required   \$ 1 00     Adult Signature Restricted Delivery   \$ 0 00     Adult Signature Restricted Delivery   0 00     Adult Signature Restricted Del	Postmark Here
3760	Postage \$1.56 \$ Total Postage and Fees \$8.36	07/01/2022
7020	Servita 1000 CMPM Street and Apt. No. of PO Box No. BIOV City, State, ZIP 48	in Crek
	PS Form 3800, April 2015 PSN 7530-02-000-9047	See Reverse for Instructions

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WV Department of Environmental Protection

### SURFACE OWNER WAIVER

Operator's	Well
Number	

#1	

### INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

## NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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WV Department of Environmental Protection

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

#### VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I had objection to a permit being issue FOR EXECUTION BY A NATUETC.	d on those materials.	planned wor		aterials, and I have no BY A CORPORATION,
	Date	Name	***	
Signature		By		Date
		Its		Date
			Signature	Date

W	W	-4	B
VV	VV		

API No.	47-021-01722
Farm Name	
Well No.	#1

### INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

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JUL 05 2022

	WAIVER	WV Department of Environmental Protection
has examined this proposed plugging v	work order. The undersigned havell operator has complied with	/ of the coal under this well location as no objection to the work proposed to be a all applicable requirements of the West
Date:	By:	
	Бу	

WW-9 (5/16)

API Number 47	_ 021	1 _ 01722	
Operator's Well	No.	1	

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTINGS DISPO	SAL & RECLAMATION FLAN
Operator Name Term Energy Corporation	OP Code
Watershed (HUC 10)	Quadrangle Gilmer 7.5'
Do you anticipate using more than 5,000 bbls of water to complete	e the proposed well work? Yes No
Will a pit be used? Yes No ✓	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
	Number) 9 for disposal location)
Will closed loop systembe used? If so, describe: N/A	
Drilling medium anticipated for this well (vertical and horizontal	)? Air, freshwater, oil based, etc. RECEIVED Office of Oil & Gas
-If oil based, what type? Synthetic, petroleum, etc	.1111 U.S. /11//
Additives to be used in drilling medium?	
Drill cuttings disposal method? Leave in pit, landfill, removed o	ffsite, etc. WV Department of Environmental Protection
	sed? (cement, lime, sawdust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Ga West Virginia solid waste facility. The notice shall be provided we where it was properly disposed.	
on April 1, 2016, by the Office of Oil and Gas of the West Virgin provisions of the permit are enforceable by law. Violations of an or regulation can lead to enforcement action.  I certify under penalty of law that I have personally application form and all attachments thereto and that, based on my	nditions of the GENERAL WATER POLLUTION PERMIT issued nia Department of Environmental Protection. I understand that the y term or condition of the general permit and/or other applicable law examined and am familiar with the information submitted on this y inquiry of those individuals immediately responsible for o btaining and complete. I am aware that there are significant penalties for imprisonment.
Company Official Signature	
Company Official (Typed Name) Leroy Baker	
Company Official Title Designated Agent	
Subscribed and sworn before me this 15th day of a	Notary Public OFFICIALS  OFFICIALS  NOTARY PU STATE OF WEST  Pamela Hendr

My commission expires April 19th, 2024

Form WW-9		Operator's	Well No	
	Discrebad 1	Prevegetatio	npH 6.5	
Proposed Revegetation Trea	tment: Acres Disturbed 1			
	Tons acre or to correct	то ри		
Fertilizer type 10-				
	500	lbs/acre		
Mulch_ hay		_Tons/acre		
		Seed Mixtures		
т	emporary	Pe	rmanent	
Seed Type	lbs/acre	Seed Type	lt	s/acre
Fescue	30	Fescue		30
Contractor's Mix		Contractor's Mix		
	olved 7.5' topographic sheet.			RECEIVED
Comments:			·	Office of Oil &
				JUL 05 202
				WV Departmental Pro
Title: 0,1 + 645	113 pector super	usor Date: 6-28-2	022	
Field Reviewed?	( )Yes (	)No		

WW-9- GPP Rev. 5/16

H	age	l of L
API Number 47 - 9	021	_ 01722
Operator's Well No	. i	

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

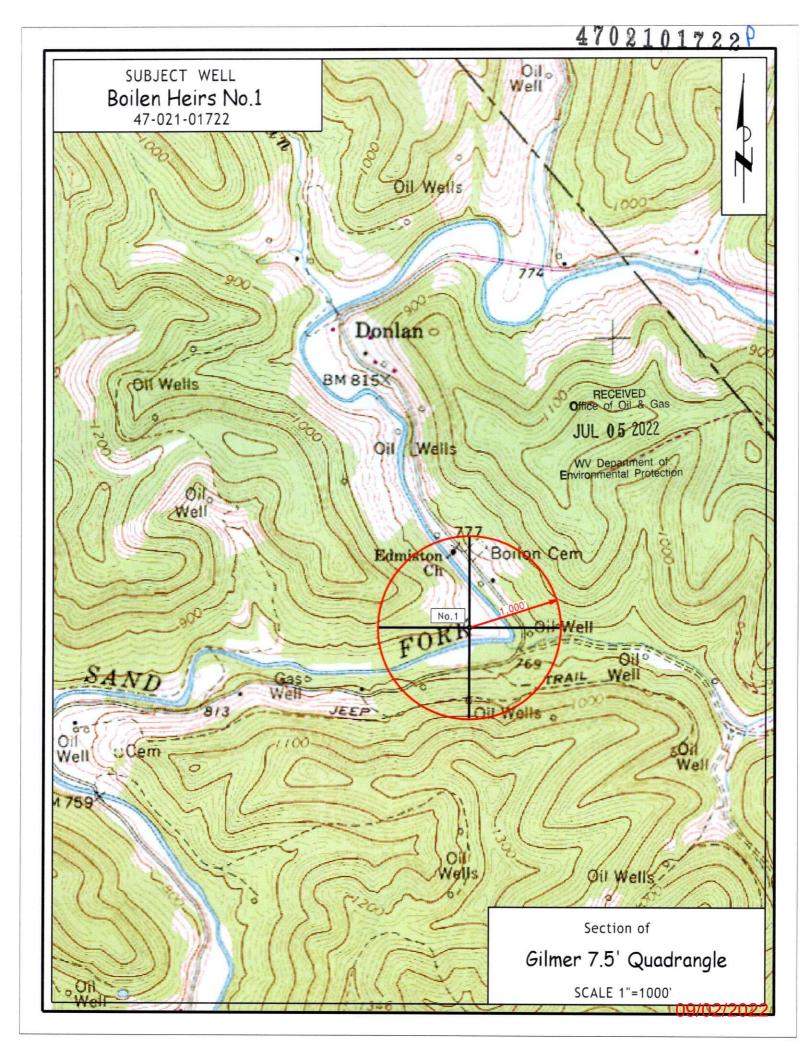
GROUNDWATER PROTECTION PLAN

CIROCHBITA	The Transfer of the Transfer o
Operator Name: Term Energy Corp.	
Watershed (HUC 10): Sand Fork	Quad: Gilmer 7.5'
Farm Name:	
<ol> <li>List the procedures used for the treatment and dischargroundwater.</li> </ol>	arge of fluids. Include a list of all operations that could contaminate the
N/A	
Describe procedures and equipment used to protect g	roundwaterquality from the list of potential contaminant sources above.
	industrial data of the second
N/A	
<ol> <li>List the closest water body, distance to closest wat discharge area.</li> </ol>	er body, and distance from closest Well Head Protection Area to the
Sand Fork	
	RECEIVED Office of Oil & Gas
	JUL 05 2022
	WV Department of
4. Summarize all activities at your facility that are alrea	Environmental Protection
N/A	

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

Date: 6-15-22

W-9- GPP ev. 5/16	API Number 47 - 021 - 01722 Operator's Well No.
N/A	
Provide a statement that no waste material will be  No material will be used	used for deicing or fill material on the property.
NO Material will be deed	
Describe the groundwater protection instruction provide direction on how to prevent groundwater	and training to be provided to the employees. Job procedures shall contamination.
N/A	
	RECEIVED Office of Oil & Gas
	JUL <b>05</b> 2022
	WV Department of Environmental Protection
Provide provisions and frequency for inspections	of all GPP elements and equipment.
N/A	
Signature:	



WW-7 8-30-06



### West Virginia Department of Environmental Protection Office of Oil and Gas

WELLL	OCATION FORM. GIS	
API: 47-021- <del>01640</del>	01722 WELL NO.:#	1
FARM NAME: Boilon Heirs		
Term Energy Corp.		
COUNTY: Gilmer	bistrict: Gle	enville
COUNTY: Gilmer DISTRICT: Glenville  QUADRANGLE: Gilmer 7.5'		
SURFACE OWNER: Michael L. Chapman		
ROYALTY OWNER:		
UTM GPS NORTHING: 4311260		
UTM GPS EASTING: 52842	24 GPS ELEVAT	_{ION:} 793
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:  1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude:  1. height above mean sea level (MSL) – meters.  2. Accuracy to Datum – 3.05 meters  3. Data Collection Method:  Survey grade GPS: Post Processed Differential  JUL 05 2022		
	-Time Differential	WV Department of Environmental Protection
Mapping Grade GPS: Post Processed Differential		
R	eal-Time Differential	
4. Letter size copy of the topography map showing the well location.  I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.		
Signature BC	Designated Agent	6-15-2022 Date

11/10/2016

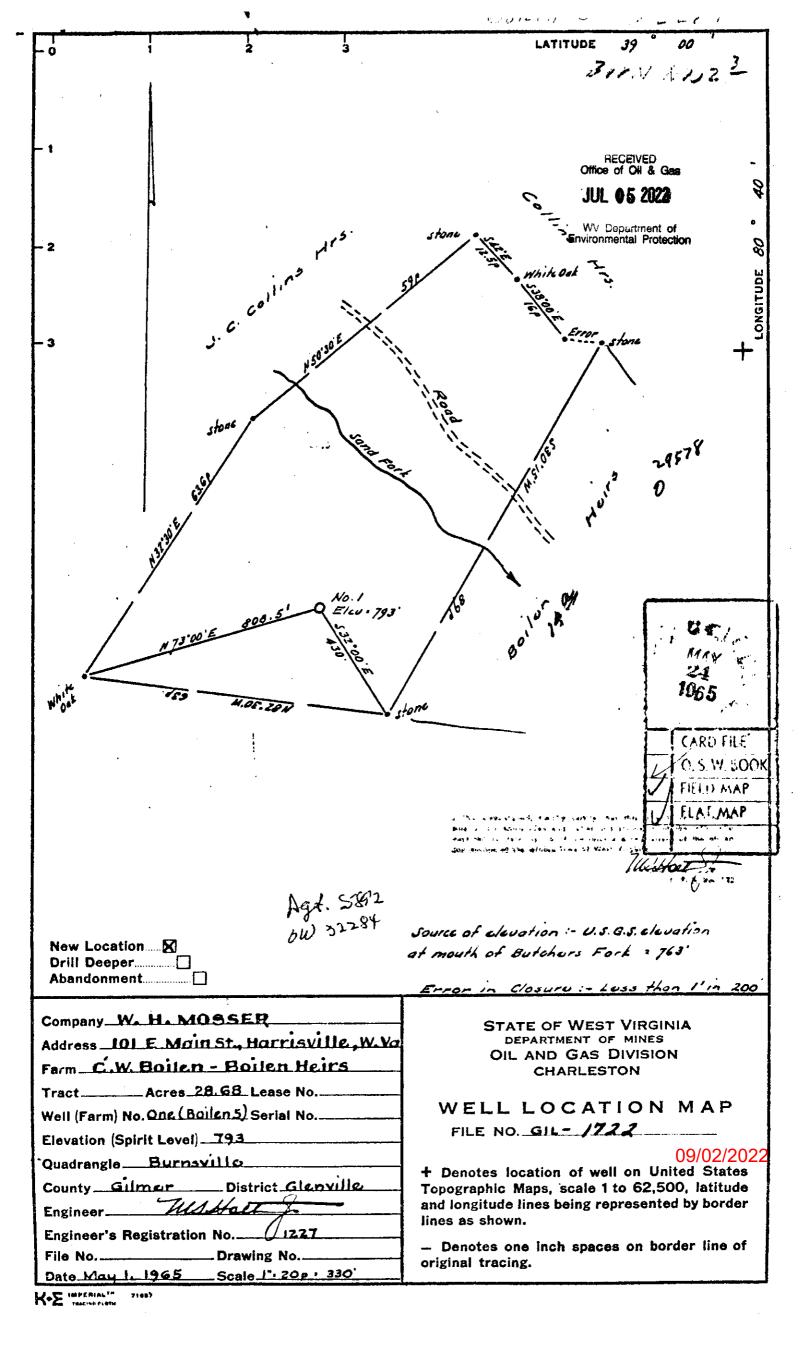
PLUGGING PERMIT CHECKLIST

RECEIVED
Office of Oil & Gas

JUL 05 2022

WV Department of Environmental Protection

lugging Permit
₩W-4B
WW-4B signed by inspector
WW-4A
SURFACE OWNER WAIVER OF PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERITFIED MAIL
COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS OF PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL かい しゅん
WW-9 PAGE 1 (NOTARIZED)
WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
RECENT MYLAR PLAT OR WW-7
WELL RECORDS/COMPLETION REPORT
TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
MUST HAVE VALID BOND IN OPERATOR'S NAME
CHECK FOR \$100 IF PIT IS USED No. p.t





#### Kennedy, James P < james.p.kennedy@wv.gov>

#### Plugging permits issued 4702101722 4702101640

1 message

Kennedy, James P < james.p.kennedy@wv.gov> Thu, Aug 25, 2022 at 11:11 AM To: leroy.baker@termenergycorp.com, Stephen E McCoy <stephen.e.mccoy@wv.gov>, Melissa Jedamski <mjedamski@wvassessor.com>

To whom it may concern, plugging permits have been issued for 4702101722 4702101640.

James Kennedy

WVDEP OOG

3 attachments



4702101640.pdf 2725K



4702101722.pdf 2595K



IR-8 Blank.pdf 237K